

## Key Laboratory Personnel

### Commanding Officer

CDR Aaron R. Moore, Ph.D.

### Executive Officer

LCDR Jason Schmittschmitt, Ph.D.

### Director of Operations

LCDR Pedro A. Ortiz, Ph.D.

### Deputy Director of Operations

LT Christopher E. Castillo, Ph.D.

### Biochemist

LT Elih Velazquez –Delgado, Ph.D

### Technical Director

J. Jacob Snyder, Ph.D.



## *Alignment With Force Health Protection:*

- We promote a healthy and fit force by providing drug testing to active duty/ reserve sailors and marines, as well as all applicants wishing to gain entry to the armed forces.
- We provide accurate drug results to ensure that members of the Fleet and Marine Corps are physically, mentally and socially able to accomplish any mission our nation calls upon them to perform.
- We support battlefield deployments through detection and prevention of drug abuse by military service members.



**Charlie-Papa:** *Steaming to Assist*

**Navy Drug Screening Laboratory  
Great Lakes, Illinois**

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<http://www.med.navy.mil/sites/nmcphc/navy-drug-screening-labs/ndsl-great-lakes/>

e-mail: [NDSLGL-tech-help@med.navy.mil](mailto:NDSLGL-tech-help@med.navy.mil)

**Navy Drug Screening Laboratory  
Great Lakes, Illinois**



*An Echelon Four  
Command of the  
Navy and Marine Corps  
Public Health Center*



## *Our Mission and Vision:*

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### **Our mission:**

To deter illicit drug use and promote safety and readiness in the armed forces by providing scientifically valid and legally defensible test results for selected drugs of abuse and drug metabolites in urine specimens to our customers in an accurate and efficient manner.

### **Our vision:**

To be a recognized center of excellence among forensic drug testing laboratories through

- exceptional customer service
- accurate test results
- timely test results
- an upwardly-mobile, expert workforce
- advancing the frontiers of drug testing capabilities with research and development.

## *Our Customers:*

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- **All Navy Region Midwest commands**
- **All Naval Air Force Atlantic (AIRLANT) commands**
- **All Naval Surface Force Atlantic (SURFLANT) commands**
- **United States Military Entrance Processing Command (USMEPCOM)**
- **All US Army Reserve units**

## *How We Test Samples:*

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- Specimens are received at the laboratory from submitting commands.
- Once received, specimens are processed for testing. Strict chain of custody protocol is observed throughout specimen handling and processing.
- All samples undergo immunoassay testing.
- If no drug is detected, the service member's specimen is reported as negative and the member specimen is discarded.
- If a drug is detected, another sample is re-poured from the original specimen bottle and sent for confirmation testing.
- Samples sent to confirmation are tested for drug presence and concentration using Gas Chromatography/Mass Spectrometry (GC/MS) technology.
- Once results are verified by laboratory certifying officials, the results are uploaded to the iFTDTL web results website.
- If certified results indicate that a drug is present in a concentration equal to or above the DoD cutoff level, the specimen is reported as positive. If the quantity is below the DoD cutoff level, the sample is reported negative.

Submitting unit commanders require accurate and timely results to assess unit readiness and to take swift action on members when an incident of drug abuse has been determined. NDSL Great Lakes employs numerous quality control procedures to ensure the integrity of their results. These procedures include:

- Employee Training and Certification for all Procedures
- Instrument and Method Validation Procedures
- Internal and External Quality Control Samples
- External Proficiency Samples
- Multiple layers of data review
- DoD Inspections - 3 per year
- Internal Quality Assurance Audits

## *What We Do:*

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- The Navy Drug Screening Laboratory, Great Lakes, provides rapid and accurate drugs of abuse testing using state of the art testing procedures.
- The laboratory utilizes advanced clinical chemistry analyzers and modern gas chromatograph / mass spectrometers to provide accurate drug testing results.
- The laboratory has the capabilities to analyze urine samples for marijuana and cocaine metabolites, various amphetamines (including ecstasy), heroin, oxycodone, oxymorphone, hydrocodone, hydromorphone, codeine, morphine, benzodiazepines, and the emerging threat of synthetic cannabinoids.
- We have a staff of senior scientists trained to provide expert witness testimony at military legal proceedings, and to provide technical consultations regarding legitimate prescription use.
- The laboratory conducts and participates in scholarly research to develop and implement new drugs of abuse testing methodologies and technologies.

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